Rec 12/23/16

# LAND APPLICATION SITE LUTHER A. HARTHUN MALAH 1-6 MADISON COUNTY



### VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

A. This land application here as "Landowner", a remains in effect until it the Landowner in the exindividual parcels identificancer be authorized to	agreement is made on ndRecyc Systems, Inc is terminated in writing by yent of a sale of one or mo fied in this agreement cha	10-8-15 between 5 referred to here as the either party or, with respect ore parcels, until ownership or	DINDUSTRIAL RESIDUALS  La Hev A. Hav herefred to a "Permittee". This agreement to those parcels that are retained by of all parcels changes. If ownership of h ownership has changed will no seement.
Landowner: The Landowner is the or the agricultural, silvicultural attached as Exhibit A.	wner of record of the real ural or reclamation sites id	property located in <u>Madisa</u> lentified below in Table 1 and	on Co., Virginia, which includes didentified on the tax map(s)
Table 1.: Parcels	authorized to receive blos	olids, water treatment residu	ials or other industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	<u>Tax Parcel ID</u>
Tax Map 66 Farcel 3			
Additional parcels containing t	and Application Sites are identi	fied on Supplement A (check if appl	licable)
within 38 months of the later than the dat later than the dat 2. Notify the Permit The Landowner has no onotify the Permittee Imme for application or any par incorrect.	atest date of biosolids app ser or transferee of the ap e of the property transfer; tee of the sale within two ther agreements for land a ediately if conditions chang t of this agreement become	dication, the Landowner shall oplicable public access and of and weeks following property transposition on the fields identified are not seen invalid or the information	crop management restrictions no nsfer. tified herein. The Landowner will to longer available to the Permittee herein contained becomes
agricultural sites identified inspections on the land id purpose of determining of	d above and in Exhibit A. entified above, before, du ompliance with regulatory	The Landowner also grants iring or after land application requirements applicable to s	
Class B biosolids War Yes □ No 図	iter treatment residuals Yes □ No  CR THIN I	Food processing waste  Yes No	Other Industrial studges  Wes 540+672-387  Wilfon Marm
Landowner - Printed Name, T Permittee:	itie Signature	<i>pr</i> = <i>p p p p p p p p p p</i>	4 <b>B2<sup>11</sup>/ TAMMA Stree d'Uto</b> ! Orange, Va. 22960
manner authorized by the VI	A Permit Regulation and in	amounts not to exceed the rate	fuals on the Landowner's land in the s identified in the nutrient management 0.1-104.2 of the Code of Virginia.
The Permittee agrees to not specifically prior to any partic	fy the Landowner or the Lan cular application to the Lando	downer's designee of the propo owner's land. Notice shall include	sed schedule for land application and de the source of residuals to be applied.
☐ I reviewed the document( document(s) available to DE	s) assigning signatory author Q for review upon request. (	rity to the person signing for land Do not check this box if the landow	downer above. I will make a copy of this ner signs this agreement)

Permittee - Authorized Representative Printed Name Signature

PO Box 562 Remington, Virginia 22734

Malling Address

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Recyc Systems, Inc Landowner: Luther A. Harthun	County or City: Madison Co.
Landowner Site Management Requirements:	
I, the Landowner, I have received a DEQ Biosolids Fact She application of biosolids, the components of biosolids and pro	eet that includes information regarding regulations governing the land oper handling and land application of biosolids.
I have also been expressly advised by the Permittee that the	site management requirements and site access restrictions

identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices. agree to implement the following site management practices at each site under my ownership following the fand application of

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is

#### 2. Public Access

biosolids at the site:

- a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soll, dusts or aerosols;
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

#### Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of blosolids.
- Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy е. animals).

#### Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- Meat producing livestock shall not be grazed for 30 days,
- Lactating dairy animals shall not be grazed for a minimum of 60 days.
- Other animals shall be restricted from grazing for 30 days;
- 5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- 6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Wilton Farm 4523 Jahrens School Ed.

Mailing Address & Phon

Operator Signature

### VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APP	LICATION AGREEMENT	· BIOSOLIDS AND	INDUSTRIAL RESIDUALS
here as "Landowner", and remains in effect until it is t the Landowner in the even individual parcels identified	Recyc Systems, Inc., reminated in writing by either	eferred to here as the party or, with respect cels, until ownership o hose parcels for which	mnie E. Harthun referred to "Permiltee". This agreement to those parcels that are retained by f all parcels changes. If ownership of n ownership has changed will no ement.
Landowner: The Landowner is the owner the agricultural, silvicultural attached as Exhibit A.	er of record of the real proper or reclamation sites identified	y located in Madison I below in Table 1 and	on Co_ Virginia, which includes identified on the tax map(s)
Table 1.: Parcels aut	horized to receive biosolids, v	vater treatment residu	als or other industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
Tax Map -66	4**		
Parcel - 3		V	Tage of the second second
The second secon	d Application Sites are identified on S a Landowner is the sole owner	Supplement A (check if appli	icable)
within 38 months of the late  1. Notify the purchase later than the date of the later than the date of the later than the date of the landowner has no other notify the Permittee immediator application or any part of incorrect.	st date of biosolids application or transferee of the application in the property transfer; and of the sale within two weeks are agreements for land applicately if conditions change such this agreement becomes involved the permission to the Permitte	n, the Landowner shall le public access and of following property tran- tion on the fields iden h that the fields are no alid or the information	rop management restrictions no insfer.  tified herein. The Landowner will longer available to the Permittee herein contained becomes
agricultural sites identified a inspections on the land iden purpose of determining com <u>Class B biosolids</u> <u>Water</u>	tified above, before, during or pliance with regulatory required treatment residuals.	andowner also grants after land application aments applicable to s od processing waste	of permitted residuals for the uch application.  Other industrial sludges
Annie Es	HARThun	Yes □ No 4	Ovange Va 22960  Mailing Address & Phone Number
Landowner - Printed Name, Title	Signature		Mailing Address & Priorie Number
manage authorized by the V/DA	Permittee, agrees to apply blosol Permit Regulation and in amoun plication field by a person certifie	ts not to exceed the rate:	uals on the Landowner's land in the s identified in the nutrient management 0.1-104.2 of the Code of Virginia
The Permittee agrees to notify specifically prior to any particular	the Landowner or the Landowne ar application to the Landowner's	r's designee of the propo land. Notice shall include	sed schedule for land application and de the source of residuals to be applied.
☐ I reviewed the document(s) a document(s) available to DEQ	assigning signatory authority to ti for review upon request. (Do not	ne person signing for land check this box If the landown	downer above. I will make a copy of this ner signs this agreement)

Page 1 of 2

PO Box 562 Remington, Virginia 22734

Mailing Address

Permittee - Authorized Representative Printed Name

Per	mittee:	Recyc Systems, Inc.	County or	r City: _	Madiso	n Co.	
Lan	downer:	Annie E. Harthun					
Lan	downer	Site Management Require	ements:				
l, the	Landown	er, I have received a DEQ Blosoli iosolids, the components of bloso	ds Fact Sheet that includ	des inforn and land	nation regarding I application of b	regulations losolids.	governing the lan
l hav	e also bee ified below am respo	n expressly advised by the Permi must be complied with after bios nsible for the implementation of the	ttee that the site manage olids have been applied lese practices.	ement rec on my pr	quirements and s operty in order to	ite access r protect pul	onc neam, and
agri	ee to imple	ment the following site managem site:	ent practices at each site		ny ownership foll		
1.	Notificati biosolids complete	on Signs: I will not remove any s land application site, unless requ ed.	igns posted by the Permitee,	ittee for t	he purpose of ide	entifying my	field as a
2.	b.	ccess Public access to land with a high any application of biosolids. Public access to land with a low papplication of biosolids. No biosolids ame period of time unless adequate grown on land where biosolid when the harvested turf is placed otherwise specified by DEQ.	otential for public expos lids amended soil shall t late provisions are made	ure shall be excava e to preve	be restricted for ated or removed ant public exposu- ted for one year	at least 30 of from the site are to soil, do after applica	days following any e during this usts or aerosols; ation of biosolids
3.	b. c. d. e.	Food crops with harvested parts to not be harvested for 14 months a Food crops with harvested parts to application of biosolids when the months prior to incorporation into Food crops with harvested parts to biosolids remain on the land surfactor food crops and fiber crops seed crops shall not be harvested.	ter the application of bid below the surface of the biosolids remain on the I the soil, below the surface of the ice for a time period of le	land shall land surfa land shall lass than f	I not be harveste ce for a time per I not be harveste our (4) months p	d for 20 more lod of four ( d for 38 more dor to incorp	nths after the 4) or more oths when the poration,
4,	Livestock Follo	animals).  Access Restrictions: wing biosolids application to past Meat producing livestock shall not Lactating dairy animals shall not b Other animals shall be restricted f	t be grazed for 30 days, se grazed for a minimum	of 60 da	ys.	2	
5.	Suppleme	ental commercial fertilizer or mant ns such that the total crop needs d by a person certified in accorda	ure applications will be c	cordinate	identified in the	ids and Indu nutrient man	strial residuals nagement plan
6.	Tobacco, years folk pounds/a	because it has been shown to accoving the application of biosofids cre (0.5 kilograms/hectare).	cumulate cadmium, sho	uld not be	arown on the La	andowner's to or exceed	land for three ling 0.45
	rangown	er's Signature				7*3	
		erator Signature		Mail	ing Address & Pho	ne Number	

Farm Operator Signature

## **FARM DATA SHEET**

		Madison
Luther A. and Annie E. Harthun	OPERATOR:	Luther A. Harthun
4623 Tatums School Road	OPERATOR'S	4623 Tatums School Road
Orange, VA 22960	ADDRESS:	Orange, VA 22960
540-672-3875	OPERATOR'S TELEPHONE:	540-672-3875
Hay/ Pasture	CELL PHONE:	÷
45	EMAIL:	•
None	LATITUDE:	38.288
Madison Mills	LONGITUDE:	78.168
		SD%
	Harthun  4623 Tatums School Road  Orange, VA 22960  540-672-3875  Hay/ Pasture  45  None	Harthun  4623 Tatums School Road OPERATOR'S  Orange, VA 22960 ADDRESS:  540-672-3875 OPERATOR'S TELEPHONE:  Hay/ Pasture CELL PHONE:  45 EMAIL:  None LATITUDE:

### RECYC SYSTEMS, INC FIELD DATA SHEET

Field	Gross	En	Environmentally Sensitive Soils			VII Fred I	Tax	FSA
Identification	Acres	Water Table	Bed Rock/Shallow	Surf/Leach	Freq Flood	Hydro Map	Map#	Tract #
MALAH 1	22.8	. H			-	RA 30	TM 66-3	T 889 F 1
MALAH 2	29.7		CcE		1	RA 30	TM 66-3	T 889 F 2
MALAH 3	27.0	-	CcE, CcC	3-		RA 30	TM 66-3	T 889 F 3
MALAH 4	14.4		CcE, CcC			RA 30	TM 66-3	T 889 F 4, 10
MALAH 5	13.5	-	CcE			RA 30	TM 66-3	T 889 F 5, 6, 7
MALAH 6	8.5		_	-	1.1.	RA 30	TM 66-3	T 889 F 8
			+					
OTAL ACRES IN SITE	115.9							

#### Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement-Biosolids and Industrial Residuals from original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Do	rm	i++	00	
PE	111	11.1		

Recyc Systems Inc.

Site Name:

Luther A. Harthun

County or City:

Madison County

Please Print

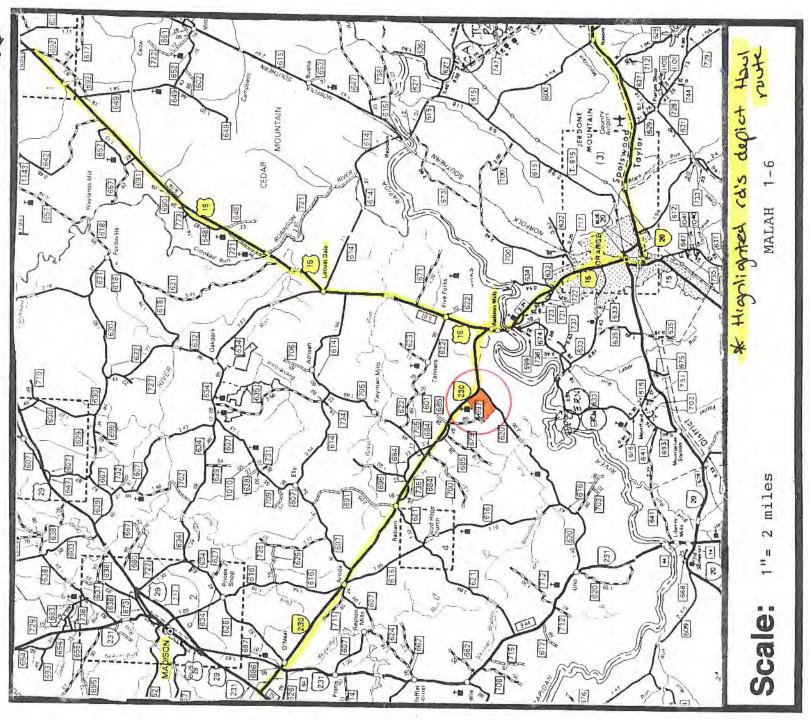
Signature not required on this page

Tax Parcel ID(s)	Landowners (s)		
Tax Map 66 Parcel 3	Luther A. and Annie E. Harthun		
10 100			

## MAPS



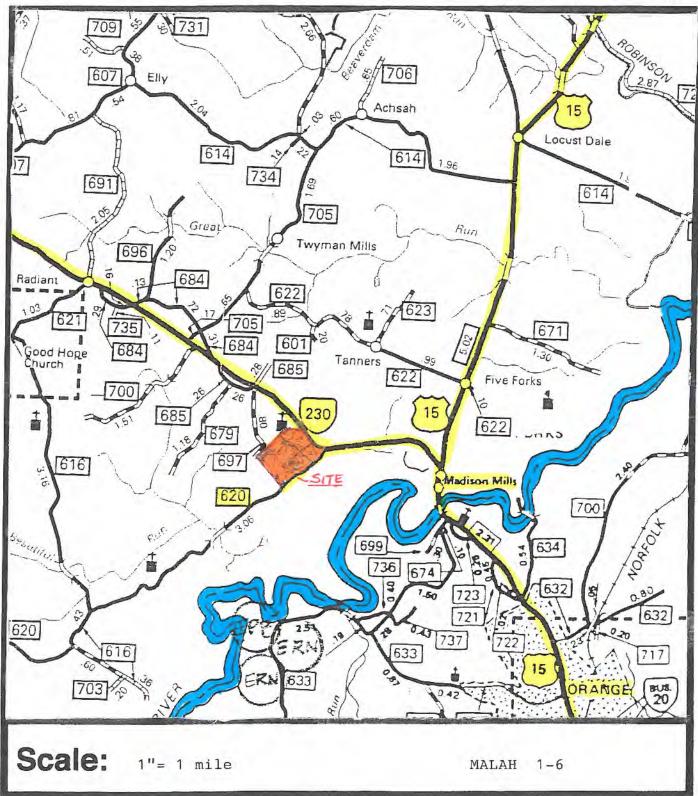
(Biosolids Land Application)





(Biosolids Land Application)



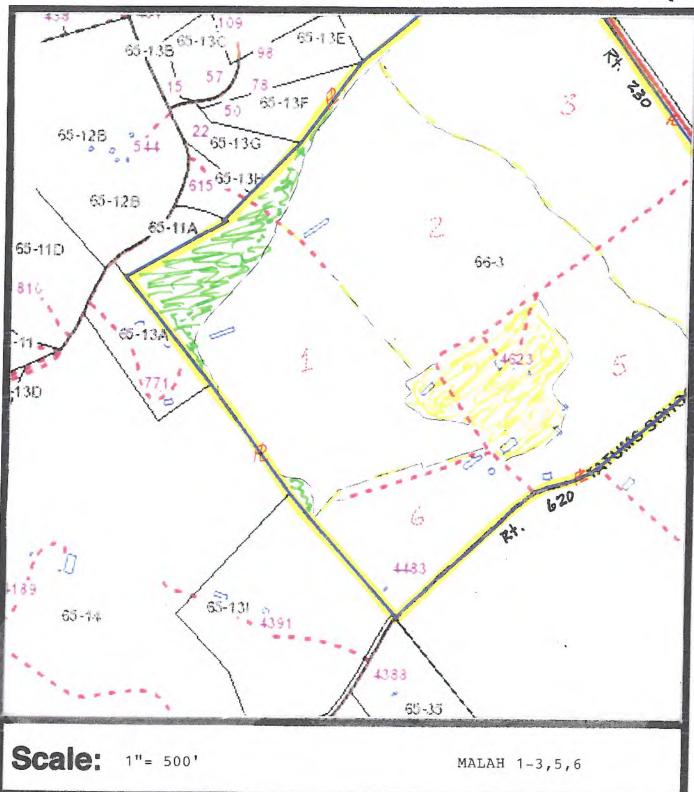


VICINITY MAP

NA

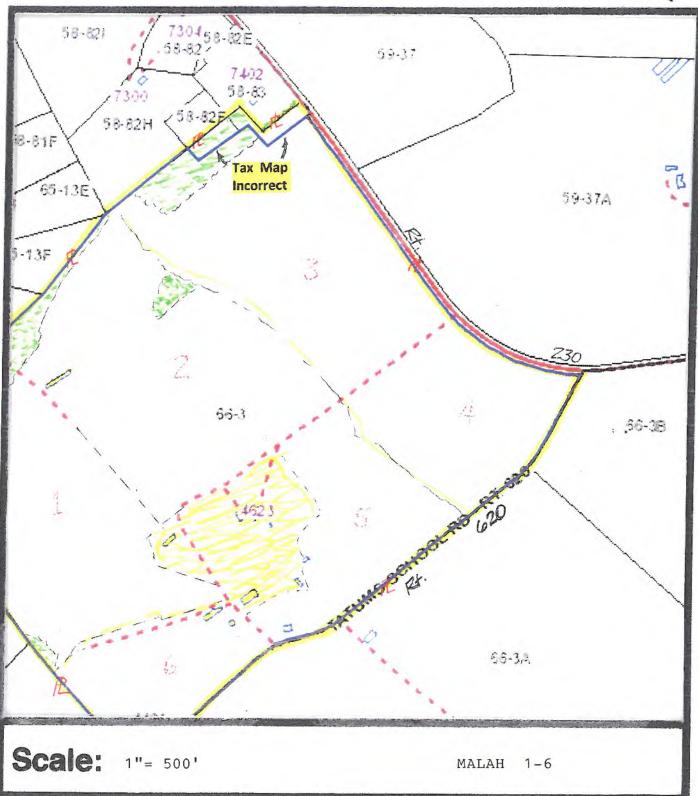
(Biosolids Land Application)





(Biosolids Land Application)





TAX MAP

NA

#### ADJOINING LANDOWNERS

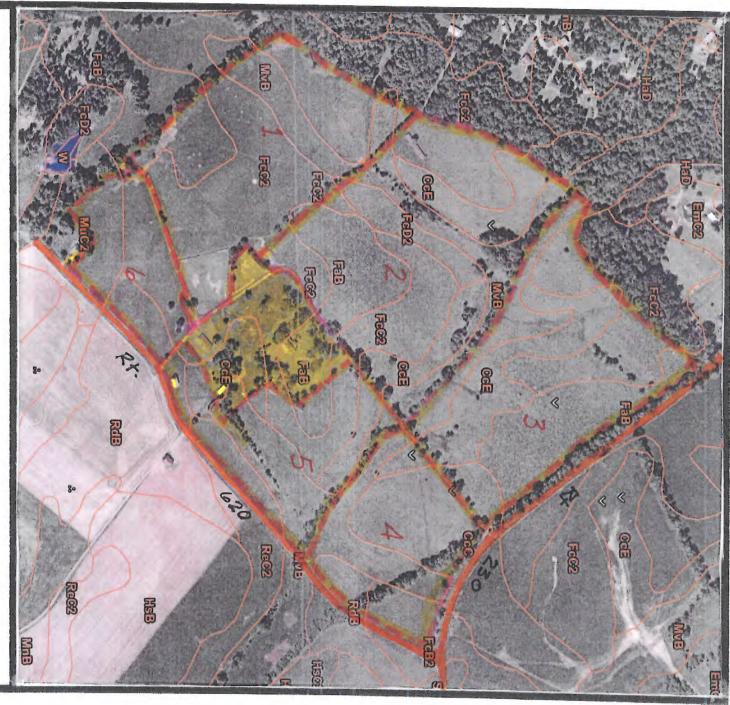
#### Luther A. Harthun

#### **MADISON COUNTY**

Гах Мар	Parcel #	Owner Name(s)
58	82F	Walker Methodist Church
	82H	Lita Marie Harrman
	83	Walker Methodist Church
59	37	Harvester Farm at Rosni LLC
	37A	Harvester Farm at Rosni LLC
65	11A	Cheryl E. McGee
	13A	Harry and Virginia Potter
	13E	Adam and Kathleen Blankenbaker
	13F	Primestar Fund Trs. Inc.
	13G	Joachim and Janiee Artale
	13H	William and Tawana Ellis
	14	Nora Virginia Tucker
	35	Mary W. Lohr
	131	James M. Tucker
66	3A	Tatum Farm LLC
	3B	Harvester Farm at Rosni LLC

(Biosolids Land Application)





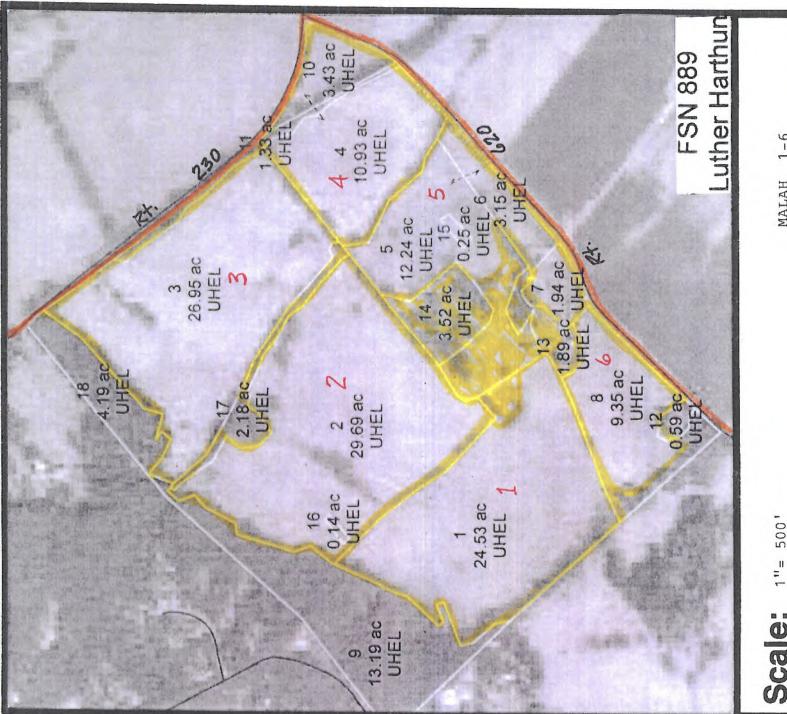
Scale:

1"= 500"

MALAH 1-6

(Biosolids Land Application)





== Scale:

1-6 MALAH

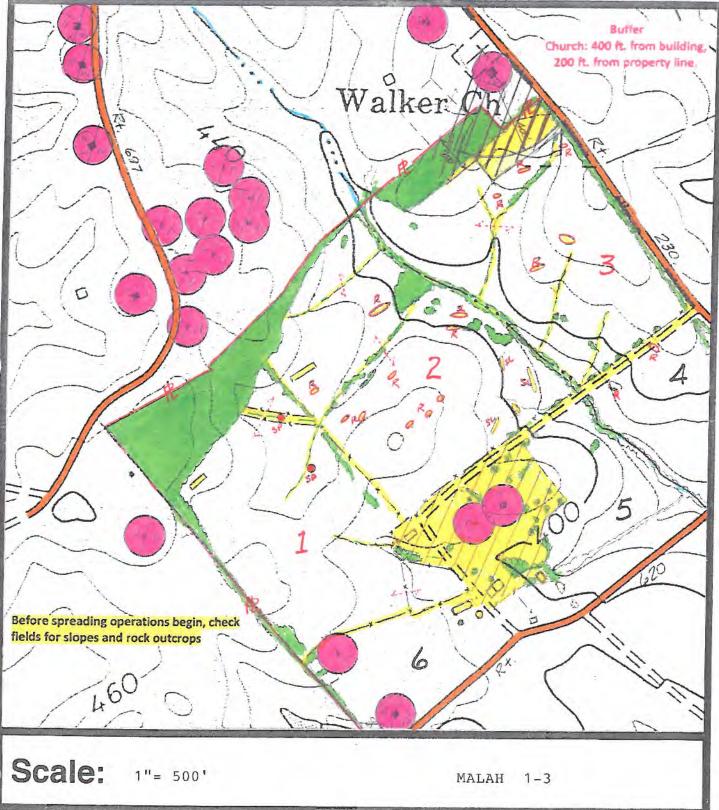
#### **Legend For Site Plan**

Symbol	Feature	Minimum Setback
H/W	House and Well	200 feet from occupied dwelling * 100 feet from water supply wells or springs
ws	Well or Spring	100 feet from water supply wells or springs
	Streams or Surface Water	35 feet with 35 foot vegetated buffer 100 feet without vegetated buffer
* *	Wet Spot	
	Trees and Woods	
	Private Drive	
R	Rock Area/Rock Outcrop	25 feet from rock outcrops 50 feet from limestone rock outcrops
= : :	Severely Eroded Spot	18 Inch minimum depth of soil
S	Sink Hole	100 feet from open sinkholes 50 feet from closed sinkholes
	State Road	10 feet from side of roadway
* * * * * *	Fence / Field Boundary	
	Property Line	100 feet from property line *
SL	Slope	15% maximum
FF	Frequent Flooded Soil	
	Hashed out Area	No application

<sup>\*</sup>Buffer can be reduced or waived upon written consent from landowner.

(Biosolids Land Application)



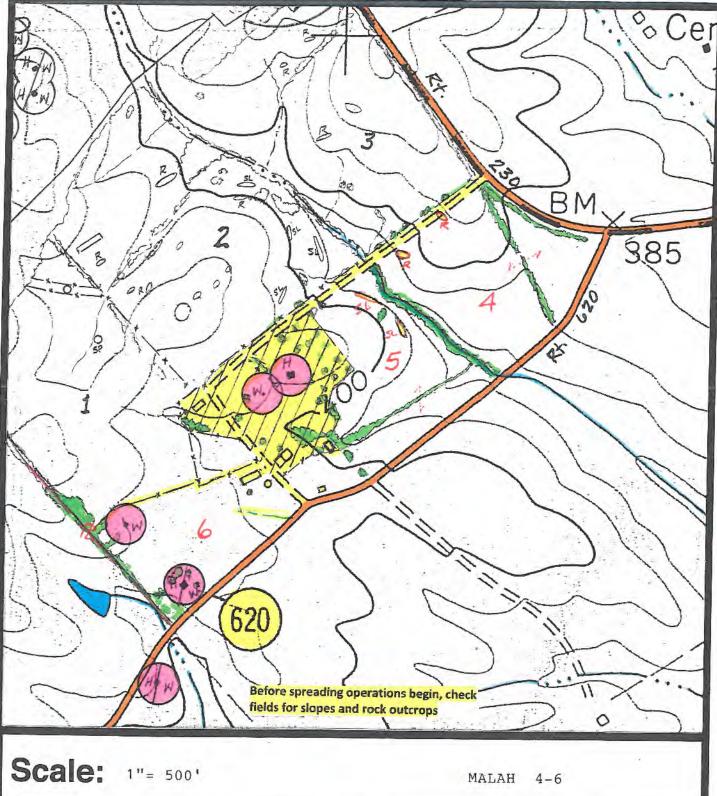


SITE PLAN

N

(Biosolids Land Application)





SITE PLAN

N

(Biosolids Land Application)



